

SHEET DISINTEGRATING IN WATER

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[21] **Application No.:** JP07328533

[22] **Filed:** 19951218

[43] **Published:** 19970630

[No drawing]

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[57] Abstract:

PROBLEM TO BE SOLVED: To produce a wiping sheet disintegrating in water, having sufficient disintegrability in water as well as high wet strength and disposable in a flush toilet by coating a sheet material with a water-soluble cellulose ether free from carboxyl group and impregnating an electrolyte into the sheet.

SOLUTION: A sheet material composed of a pulp, a natural fiber or a synthetic fiber is coated with 0.1-20g/m²of a water-soluble cellulose ether free from carboxyl group and the coated sheet is dried in an oven. The sheet is sprayed with 3-30wt.% of an aqueous solution of an electrolyte such as sodium sulfate to convert the water-soluble cellulose ether on the sheet surface into a gelatinous thin film and obtain the objective sheet disintegrating in water.

[51] **Int'l Class:** D21H01910 A47K01016 A47L01316 D21H01900